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(54) Title: CHITOSAN-DERIVATIVES FOR GENE DELIVERY AND EXPRESSION

(57) Abstract: The present invention provides particles comprising chitosan, or a derivative thereof, useful as delivery vehicles for polynucleotides encoding polypeptides, compositions comprising such particles and a pharmaceutically acceptable carrier, and methods for delivering polynucleotides using such particles. Optionally, the particles of the invention further comprise a lipid component. The present further provides a method for enhancing interferon-gamma expression to regulate the production of cytokines secreted by T-helper type 2 (Th2) cells within a subject by administering an effective amount of a particle of the subject invention to the subject, wherein the particle comprises a polynucleotide encoding interferon-gamma.

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